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(71) Applicant (for all designated States except US): **SOMFY SAS** [FR/FR]; 50, Avenue du Nouveau Monde, F-74300 Cluses (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CAVAREC, Pierre-Emmanuel** [FR/US]; 10808 Scripps Ranch Blvd. #105,

San Diego, CA 92131 (US). **WALKER, Winston, Glenn** [US/US]; 8230 S. Seabrook Lane, Littleton, CO 80120 (US).

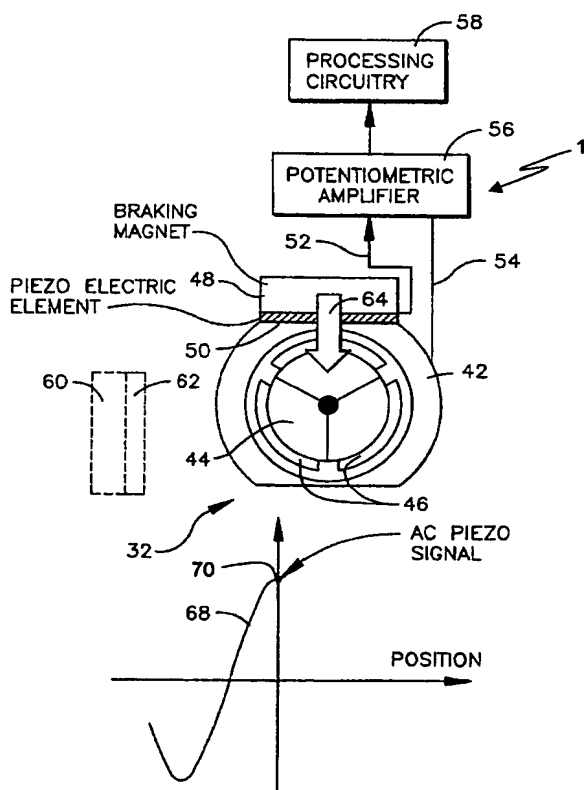
(74) Agents: **GROSFILLIER, Philippe** et al.; C/O BUGNION S.A., Case Postale 375, CH-1211 Genève 12 (CH).

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(54) Title: **PIEZO-BASED ENCODER WITH MAGNETIC BRAKE FOR POWERED WINDOW COVERING**



(57) Abstract: The device (1) comprises a frame (42) comprising a static magnetic pole (48), a movable member (44) relatively to the frame (42), the movable member (44) comprising a moving magnetic pole (46), the static magnetic pole (48) and the moving magnetic pole (46) being magnetically coupled in some position of the movable member (44), a piezosensitive element (50) so that the force due to the magnetic coupling between the moving magnetic pole (46) and the static magnetic pole (48) reacts on the piezosensitive element (50), and means (52, 54, 56, 58) for outputting an electric signal from the piezosensitive element (50), the signal being useful in determining the position and/or the speed and/or the direction of the movable member (44).

WO 2005/085578 A2



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